

Dimitrios Psaltis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7676869/publications.pdf>

Version: 2024-02-01

70
papers

11,756
citations

57758

44
h-index

95266

68
g-index

70
all docs

70
docs citations

70
times ranked

4171
citing authors

#	ARTICLE	IF	CITATIONS
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	8.3	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	8.3	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	8.3	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
6	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12.	8.3	568
7	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	8.3	519
8	TESTING THE NO-HAIR THEOREM WITH OBSERVATIONS IN THE ELECTROMAGNETIC SPECTRUM. II. BLACK HOLE IMAGES. <i>Astrophysical Journal</i> , 2010, 718, 446-454.	4.5	297
9	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	8.3	297
10	Probes and Tests of Strong-Field Gravity with Observations in the Electromagnetic Spectrum. <i>Living Reviews in Relativity</i> , 2008, 11, 9.	26.7	272
11	Metric for rapidly spinning black holes suitable for strong-field tests of the no-hair theorem. <i>Physical Review D</i> , 2011, 83, .	4.7	264
12	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	8.3	215
13	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	8.3	215
14	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	7.8	190
15	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16.	8.3	187
16	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. <i>Science</i> , 2015, 350, 1242-1245.	12.6	176
17	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
18	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	8.3	163

#	ARTICLE	IF	CITATIONS
19	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	8.3	142
20	Hybrid Thermal+Nonthermal Synchrotron Emission from Hot Accretion Flows. <i>Astrophysical Journal</i> , 2000, 541, 234-249.	4.5	139
21	A QUANTITATIVE TEST OF THE NO-HAIR THEOREM WITH Sgr A* USING STARS, PULSARS, AND THE EVENT HORIZON TELESCOPE. <i>Astrophysical Journal</i> , 2016, 818, 121.	4.5	126
22	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .	4.7	126
23	THE POWER OF IMAGING: CONSTRAINING THE PLASMA PROPERTIES OF GRMHD SIMULATIONS USING EHT OBSERVATIONS OF Sgr A*. <i>Astrophysical Journal</i> , 2015, 799, 1.	4.5	123
24	Kerr Black Holes Are Not Unique to General Relativity. <i>Physical Review Letters</i> , 2008, 100, 091101.	7.8	122
25	A RAY-TRACING ALGORITHM FOR SPINNING COMPACT OBJECT SPACETIMES WITH ARBITRARY QUADRUPOLE MOMENTS. I. QUASI-KERR BLACK HOLES. <i>Astrophysical Journal</i> , 2012, 745, 1.	4.5	115
26	LINKING TESTS OF GRAVITY ON ALL SCALES: FROM THE STRONG-FIELD REGIME TO COSMOLOGY. <i>Astrophysical Journal</i> , 2015, 802, 63.	4.5	114
27	TESTING THE NO-HAIR THEOREM WITH OBSERVATIONS IN THE ELECTROMAGNETIC SPECTRUM. I. PROPERTIES OF A QUASI-KERR SPACETIME. <i>Astrophysical Journal</i> , 2010, 716, 187-197.	4.5	109
28	A GENERAL RELATIVISTIC NULL HYPOTHESIS TEST WITH EVENT HORIZON TELESCOPE OBSERVATIONS OF THE BLACK HOLE SHADOW IN Sgr A*. <i>Astrophysical Journal</i> , 2015, 814, 115.	4.5	105
29	GRay: A MASSIVELY PARALLEL GPU-BASED CODE FOR RAY TRACING IN RELATIVISTIC SPACETIMES. <i>Astrophysical Journal</i> , 2013, 777, 13.	4.5	90
30	PARTICLE ACCELERATION AND THE ORIGIN OF X-RAY FLARES IN GRMHD SIMULATIONS OF SGR A*. <i>Astrophysical Journal</i> , 2016, 826, 77.	4.5	79
31	Testing general relativity with the Event Horizon Telescope. <i>General Relativity and Gravitation</i> , 2019, 51, 1.	2.0	76
32	IMAGING AN EVENT HORIZON: MITIGATION OF SCATTERING TOWARD SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2014, 795, 134.	4.5	67
33	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. <i>Astrophysical Journal</i> , 2018, 865, 104.	4.5	67
34	Detection of Intrinsic Source Structure at $\sim 1/3$ Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2018, 859, 60.	4.5	67
35	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	8.3	67
36	FAST VARIABILITY AND MILLIMETER/IR FLARES IN GRMHD MODELS OF Sgr A* FROM STRONG-FIELD GRAVITATIONAL LENSING. <i>Astrophysical Journal</i> , 2015, 812, 103.	4.5	65

#	ARTICLE	IF	CITATIONS
37	PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. <i>Astrophysical Journal</i> , 2016, 820, 90.	4.5	65
38	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	10.1	65
39	Testing General Relativity with Accretion-Flow Imaging of Sgr A^* . <i>Physical Review Letters</i> , 2016, 117, 091101.	7.8	60
40	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	8.3	56
41	Event Horizon Telescope observations as probes for quantum structure of astrophysical black holes. <i>Physical Review D</i> , 2018, 97, .	4.7	54
42	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	5.1	54
43	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	4.5	51
44	MHD SIMULATIONS OF ACCRETION ONTO Sgr A*: QUIESCENT FLUCTUATIONS, OUTBURSTS, AND QUASIPERIODICITY. <i>Astrophysical Journal</i> , 2009, 701, 521-534.	4.5	48
45	Constraining parity violation in gravity with measurements of neutron-star moments of inertia. <i>Physical Review D</i> , 2010, 81, .	4.7	48
46	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	4.5	44
47	MASSES OF NEARBY SUPERMASSIVE BLACK HOLES WITH VERY LONG BASELINE INTERFEROMETRY. <i>Astrophysical Journal</i> , 2012, 758, 30.	4.5	43
48	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	8.3	43
49	A Parametric Model for the Shapes of Black Hole Shadows in Non-Kerr Spacetimes. <i>Astrophysical Journal</i> , 2020, 896, 7.	4.5	41
50	heroic: 3D general relativistic radiative post-processor with comptonization for black hole accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 608-628.	4.4	37
51	EVENT HORIZON TELESCOPE EVIDENCE FOR ALIGNMENT OF THE BLACK HOLE IN THE CENTER OF THE MILKY WAY WITH THE INNER STELLAR DISK. <i>Astrophysical Journal</i> , 2015, 798, 15.	4.5	34
52	Sgr A*: The Optimal Testbed of Strong-Field Gravity. <i>Journal of Physics: Conference Series</i> , 2011, 283, 012030.	0.4	31
53	heroic: A 3D general relativistic radiative post-processor for accretion discs around black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1661-1681.	4.4	26
54	BAYESIAN TECHNIQUES FOR COMPARING TIME-DEPENDENT GRMHD SIMULATIONS TO VARIABLE EVENT HORIZON TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 832, 156.	4.5	26

#	ARTICLE	IF	CITATIONS
55	Constraints on Braneworld Gravity Models from a Kinematic Limit on the Age of the Black Hole XTEJ1118+480. <i>Physical Review Letters</i> , 2007, 98, 181101.	7.8	25
56	Variability in GRMHD Simulations of Sgr : Implications for EHT Closure Phase Observations. <i>Astrophysical Journal</i> , 2017, 844, 35.	4.5	23
57	Probing the black hole metric: Black hole shadows and binary black-hole inspirals. <i>Physical Review D</i> , 2021, 103, .	4.7	22
58	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	8.3	21
59	EFFECTS OF SPOT SIZE ON NEUTRON-STAR RADIUS MEASUREMENTS FROM PULSE PROFILES. <i>Astrophysical Journal</i> , 2015, 811, 144.	4.5	20
60	A Plasmoid model for the Sgr A* Flares Observed With Gravity and CHANDRA. <i>Astrophysical Journal</i> , 2021, 917, 8.	4.5	19
61	Principal Component Analysis as a Tool for Characterizing Black Hole Images and Variability. <i>Astrophysical Journal</i> , 2018, 864, 7.	4.5	17
62	GRMHD Simulations of Visibility Amplitude Variability for Event Horizon Telescope Images of Sgr A*. <i>Astrophysical Journal</i> , 2018, 856, 163.	4.5	16
63	Brightness Asymmetry of Black Hole Images as a Probe of Observer Inclination. <i>Astrophysical Journal</i> , 2022, 924, 46.	4.5	8
64	MeqSilhouette v2: spectrally resolved polarimetric synthetic data generation for the event horizon telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 490-504.	4.4	7
65	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	4.5	6
66	Interferometric Closure Phase Uncertainties in the Low Signal-to-noise Ratio Regime. <i>Astronomical Journal</i> , 2020, 159, 226.	4.7	4
67	Topological data analysis of black hole images. <i>Physical Review D</i> , 2022, 106, .	4.7	3
68	Markov Chains for Horizons MARCH. I. Identifying Biases in Fitting Theoretical Models to Event Horizon Telescope Observations. <i>Astrophysical Journal</i> , 2022, 928, 55.	4.5	2
69	Kerr Black Holes Are Not Unique to General Relativity. , 0, .		1
70	The effects of golimumab on patient centric outcomes amongst rheumatoid arthritis patients in Greece. The GO-Q study. <i>Rheumatology International</i> , 2022, 42, 639-650.	3.0	0